

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| L1    | 1    | "7534317".pn.   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2010/06/10<br>07:10 |
| L2    | 50   | (US-20050004515-\$<br>or US-20050165366-\$).did. or (US-<br>3618613-\$ or US-<br>3983879-\$ or US-<br>4135869-\$ or US-<br>4201071-\$ or US-<br>4208178-\$ or US-<br>4297265-\$ or US-<br>4455690-\$ or US-<br>4577543-\$ or US-<br>4634432-\$ or US-<br>4898702-\$ or US-<br>4946464-\$ or US-<br>4973319-\$ or US-<br>5123827-\$ or US-<br>5240765-\$ or US-<br>5370899-\$ or US-<br>5376085-\$ or US-<br>5380304-\$ or US-<br>5429127-\$ or US-<br>5558737-\$ or US-<br>5792116-\$ or US-<br>5836925-\$ or US-<br>5840031-\$ or US-<br>5845396-\$ or US-<br>5879342-\$ or US-<br>5888436-\$ or US-<br>5938587-\$).did. or<br>(US-6030371-\$ or<br>US-6210617-\$ or<br>US-6280788-\$ or<br>US-6314856-\$ or<br>US-6315715-\$ or<br>US-6375774-\$ or<br>US-6383434-\$ or<br>US-6425418-\$ or<br>US-6451005-\$ or<br>US-6464632-\$ or<br>US-6479000-\$ or<br>US-6540734-\$ or<br>US-6702972-\$ or | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2010/06/10<br>07:18 |

|     |    |  |  |    |    |                     |
|-----|----|--|--|----|----|---------------------|
|     |    | US-6702782-\$ or<br>US-6764509-\$ or<br>US-6777031-\$ or<br>US-6841214-\$ or<br>US-6923788-\$ or<br>US-6964673-\$ or<br>US-7005026-\$ or<br>US-7534317-\$).did.<br>or (US-3071809-\$).<br>did. |  |    |    |                     |
| L3  | 29 | I2 and (mandrel<br>core) with (collaps<br>\$3 shrink\$3 shrunk<br>\$3 removed removal<br>dissolv\$3 melt\$3<br>apart)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>07:19 |
| L4  | 29 | I2 and (mandrel<br>core) with (collaps<br>\$3 shrink\$3 shrunk<br>\$3 removed removal<br>dissolv\$3 melt\$3<br>apart sacrificial)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>07:19 |
| L5  | 29 | I2 and (mandrel<br>core) with (collaps<br>\$3 shrink\$3 shrunk<br>\$3 removed removal<br>dissolv\$3 melt\$3<br>apart sacrificial foam<br>\$3 wax)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>07:19 |
| L6  | 1  | (US-6464632-\$).did.   | USPAT  | OR | ON | 2010/06/10<br>08:23 |
| L7  | 1  | I6 and (mandrel<br>core)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>08:23 |
| L8  | 5  | "3585707".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>08:57 |
| L9  | 9  | ("6540734"<br>"5429127"<br>"584031").pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:02 |
| L10 | 6  | ("6540734"<br>"5429127"<br>"5840031").pn.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:03 |

|     |    |  |  |    |    |                     |
|-----|----|--|--|----|----|---------------------|
| L11 | 96 | ((multiple near2 part\$3) (multiple-part\$3 multipart\$3 multi-part\$3)) near2 mandrel     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:05 |
| L12 | 45 | ((multiple near2 piece\$3) (multiple-piece\$3 multipiece\$3 multi-piece\$3)) near2 mandrel | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:17 |
| L13 | 45 | l12 not l11  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:17 |
| L14 | 7  | ("4,015,918"<br>"4,436,690").pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:21 |
| L15 | 7  | ("3618613"<br>"4634432").pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:33 |
| L16 | 8  | ("5888436"<br>"5792116"<br>"6464632"<br>"5472435").pn.                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/06/10<br>09:35 |
| L17 | 4  | ("5888436"<br>"5792116"<br>"6464632"<br>"5472435").pn.                                     | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/06/10<br>09:35 |
| L18 | 4  | ("6540734"<br>"5429127"<br>"5840031"<br>"7534317").pn.                                     | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/06/10<br>09:41 |
| L19 | 9  | 10/766138  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/06/10<br>09:48 |
| L20 | 6  | 10/766138 and<br>(method process).<br>clm. and mandrel.<br>clm.                            | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/06/10<br>09:49 |
| L21 | 3  | 10/766138 and<br>(method process).<br>clm. and mandrel.<br>clm. and spring.clm.            | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/06/10<br>09:49 |

**EAST Search History (I nterference)**

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**6/ 10/ 2010 9:51:04 AM**

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